

ABSTRACT OF THE DISCLOSURE

A resistive material containing metallic powder including copper, manganese, and aluminum, glass powder and/ or copper oxide powder, and a vehicle is provided. The
5 metallic powder is made by mixing 80 to 85 weight percent copper, 8 to 16 weight percent manganese, and 2 to 7 weight percent aluminum. A maximum of 10 weight percent glass powder and/ or copper oxide powder and 10 to 15 weight percent vehicle relative to the entire 100 weight percent metal mixed powder are added. The resulting resistive material is then sintered in an inactive atmosphere, thereby providing a
10 resistor and a resistive element having target characteristics such as a low resistance, a low TCR value, and a low thermo-electromotive force.